ROCKY FLATS PLANT

EMD OPERATING
PROCEDURES MANUAL
VOL I: FIELD OPERATIONS

Manual No.: New Manual No.:

New Manual No.: Procedure No.:

Page: Effective Date:

Organization:

5-21000-OPS-FO 4-11000-ER-OPS-FO

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Environmental Management

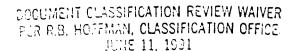
THIS IS ONE VOLUME OF A SIX VOLUME SET WHICH INCLUDES:

VOLUME I: FIELD OPERATIONS (FO)
VOLUME II: GROUNDWATER (GW)
VOLUME III: GEOTECHNICAL (GT)
VOLUME IV: SURFACE WATER (SW)
VOLUME V: ECOLOGY (EE)
VOLUME VI: AIR (AP)

EG&G SUPERSEDED DOCUMENT

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FO.03	General Equipment Decontamination	2	05/12/92
94-DMR-001021 94-DMR-001010	Section FO.03 Text Addition	2	05/26/94
	Section FO.03 Text Modification	2 .	06/01/94
•94-DMR-001224	Equipment Decontamination Location Adjustment	2	07/15/94
FO.04	Heavy Equipment Decontamination	2	05/12/92
94-DMR-001009	LIMITED SCOPE Section FO.04 Text Modification	2	06/01/94
FO.05	Handling of Purge and Development Water	2	05/12/92
94-DMR-000278	Groundwater Monitoring Modifications	2.	02/25/94
FO.06	Handling of Personal Protective Equipment	2	05/12/92
FO.07	Handling of Decontamination Water and Wash Water	2	05/12/92
94-DMR-001175	LIMITED SCOPE - Decontamination Water Disposal Location Changes	2	06/20/94





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FO.09	Handling of Residual Samples	2	05/12/92
FO.10	Receiving, Labeling, and Handling Environmental Materials Containers	2	05/12/92
DCN 93.04	Sample to Drum Traceability	2	06/23/93
DCN 93.05	Drum Labeling Change	2	06/29/93
DCN 93.06	Drum Sample Numbers	· 2	06/29/93
DCN 93.07	SVE Sampling Overlap	2	08/18/93
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FO.14	Field Data Management	2	05/12/92
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FO.15	Photoionization Detectors (PIDs) and Flame Ionization Detectors (FIDs)	2	05/12/92
FO.16	Field Radiological Measurements	2	05/12/92
DCN 93.02	LUDLUM/FIDLER Guidance	2	06/29/93
FO.17	Determining Out-Of-Specification Analytical Results for Environmental Samples		To Be Added

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FO.18	Environmental Sample Radioactivity Content Screening	1	05/12/92
FO.19	Base Laboratory Work	2	05/12/92
FO. 23	Management of Soil and Sediment Investigative Derived Materials (IDM)	0	01/11/94
94-DMR-000137 94-DMR-000148 94-DMR-001108	Training Requirements Clarification Section FO.23 Modifications Buried Instrumentation and Existing Soil	0 0 0	01/28/94 02/09/94 06/14/94
FO.25	4-B11-ER-OPS-FO.25 Shipment of Radioactive Materials Samples	0	12/01/93
FO.27	4-BO1-ER-OPS-FO.27 Collection of Floor/Equipment Hot Water Rinsate Samples	e 0	07/26/93
DCN 93.01 DCN 93.02	VOC Preservatives Fresh Water Samples	0	08/11/93 08/30/93
FO.29	4-H46-ENV-OPS-FO.29 Disposition of Soil and Sediment Investigation-Derived Materials	0	06/24/94
•94-DMR-001226	Allowance of Procedural Use for Waste Piles	0	07/15/94
FO.32	4-I50-ENV-OPS-FO.32 Treated Effluent Discharge Operable Unit 1, Building 891	0	04/13/94

DOCUMENT MODIFICATION REQUEST (DMR)

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Refe	er to 1-A	01-PPG-001	for Processi	ng Instructions.		1. Date		25.		
Print or Type All Information (Except Signatures)			6/22/94				R-001224			
Existing Document Number/Revision 4-H46-ENV-OPS-F0.29/Rev. 0			3. New Document N Revision N/A	3. New Document Number or Document Number if it is to be changed with this Revision N/A						
Steven	4. Originator's Name/Phone/Page/Location Steven Needler/6961/7579/080			5. Document Title Disposition of Soil a	and Sedin	ent Investigatio	a-Derived Ma	aterials		
6. Document Type 🕜 Procedure 7. Document Modification Type (Check only one)					rection 🗆	Cancellation				
8. Item	n 9. Page	e 10. Step	ep 11. Proposed Modifications							
1.	5	1. Purpose	Change Sentence 3 from "This procedure, although specific for drums, may be extended to other containers such as crates or half crates." to "This procedure, although specific for drums, may be extended to other containers such as crates or half crates, and to uncontained waste piles."							
2.	37	7.12[2][B]	Before this entry, add *[B] If waste is not contained, place it in containers in accordance with SOP FO.8, Handling of Drilling Fluids and Cuttings and SOP FO.10, Receiving, Labelling, and Handling Environmental Material Containers.*							
3.	37	7.12[2][B]	Change "[B]" to	ம் "[C]".						
4.	37	7.12[2][C]	Change *[C]* t	ω *[D]*.						
5.	37	7.12(2)[D]	Change "[D]" t	to "[E]".	·					
6.	37	7.12[3][A]	1		s not contained, place it in condling Environmental Materia		vith SOP	FO.8, Handling	of Drilling F	luids and Cuttings and SOP
7.	37	7.12[3][A]	Change "[A]" t	to "[B]".						
8.	37	7.12[3][B]	Change "[B]" to	o *[C]*.						
		1								
			ification, EJO#,	· ·						
The pr	roposed mod	lification will p	ermit this proced	ure to be used for wast	e piles.					
			or a revision, list or ock 14, and dates in		ock 13, and enter N/A in Blocks	14 and 15. If modification is	for any typ	pe of change or a c	ancellation, or	ganizations are listed in Block 13,
13. Org:	anization	14. Print and	ign (if applicable)		\sim					15. Date (if applicable)
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PURPOSE

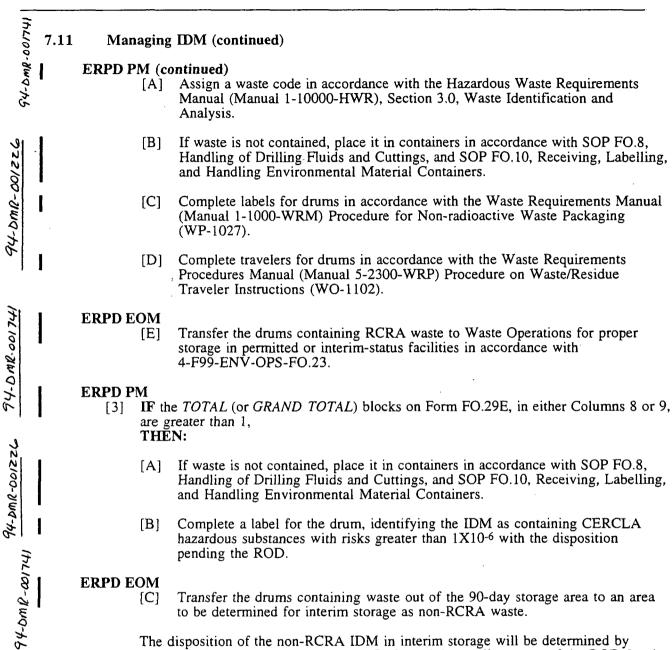
This procedure is a procedure for classifying the soil and sediment investigation-derived material (IDM) generated from environmental investigations. Specifically, this procedure is used to determine a risk-based disposition of soil and sediment drums being managed in accordance with 4-F99-ENV-OPS-FO.23, Management of Soil and Sediment Investigation-derived Materials. This procedure, although specific for drums, may be extended to other containers such as crates or half crates, and to uncontained waste piles.

2. SCOPE

This procedure applies to all EG&G Rocky Flats, Inc. (EG&G) Environmental Restoration Program Division (ERPD) employees and subcontractors involved in the disposition of soil and sediment IDM. A flow chart outlining the processes described in this procedure is shown in Appendix 1, IDM Evaluation Flow Chart.

This procedure addresses the following topics:

- Review of Form FO.23A
- Review of process knowledge and analytical results [in accordance with Appendix 2, Toxicity Characteristic Leaching Procedure (TCLP) Determination and Form FO.29D, Adequacy Determination (Form FO.29D)]
- Adequacy Determination Form (in accordance with Form FO.29D, Adequacy Determination Form in Appendix 2)
- Data management
- Comparison of reported detection limits (DL)
- Calculating average concentrations
- Background comparison of metals
- TCLP comparison
- IDM RCRA Constituents of Concern (in accordance with Appendix 3, IDM RCRA Constituents of Concern)
- Performing RCRA risk analysis
- Performing inclusive risk analysis
- Managing IDM



The disposition of the non-RCRA IDM in interim storage will be determined by parties to the Interagency Agreement (IAG) and the public as part of the ROD for the area in which the IDM were generated.